Information Briefing
Modularity and Organization for Field Feeding

The way ahead

Presented to:

World Wide Food Service Workshop

16 June 2005

Agenda

- Concept of a Modular Army
- Organizations (UA and UE)
- Food Service in a Modular Army
- Equipment documented
- Questions

Concept of a Modular Arm

Intent: Create a "<u>brigade based" Army</u> that is <u>more responsive</u> to regional combatant commanders needs, better <u>employs joint capabilities</u>, facilitates <u>force packaging and rapid deployment</u>, and fights as self contained units ~~capable of full spectrum operations~~.

Modular components for operational and tactical levels comprise

[illegible]mmand and control headquarters and <u>direct combat or</u>
<u>rt</u> [illegible]

<u>C2 Headquarters</u>

Units of Employment (UE)

<u>Echelon Above Brigade Headquarters</u> - tailored to level of seniority required for Joint and or Army theater / operational / tactical missions

UEx = Div Rear / Corps Forward

UEy = Corps Rear / Theater / ARFOR / JFLCC

<u>Combat and Support Units</u>

Units of Action (UA)

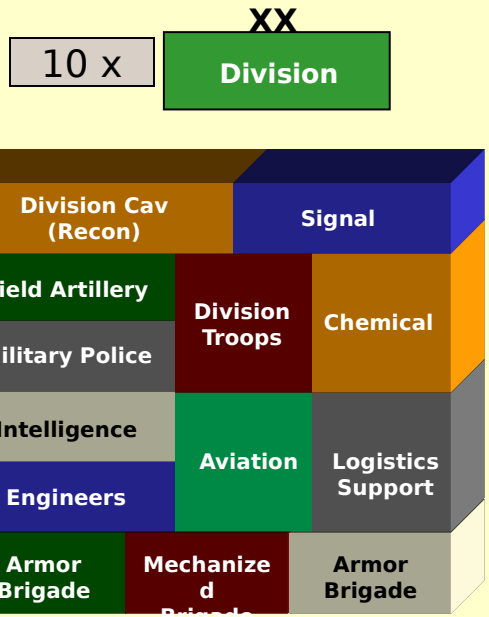
<u>Maneuver Units Of Action:</u> (Armored, Infantry and Stryker) designed and organized for close combat and stability operations

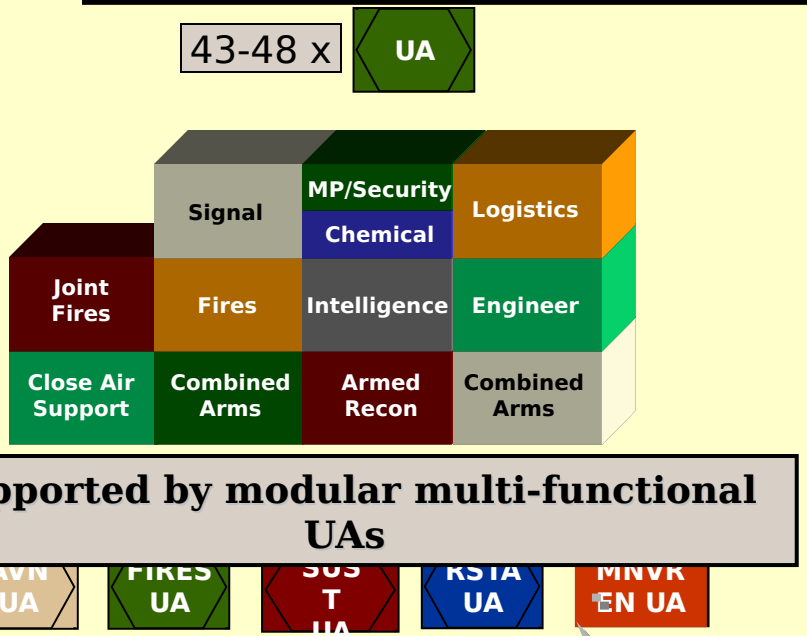
<u>Support Units Of Action:</u> designed and organized for **multifunctional and**

Modularity
The Change to Brigade-Centric Organizat

An Army based around large, powerful, fixed organizations

To an Army designed around smaller, self-contained organizations





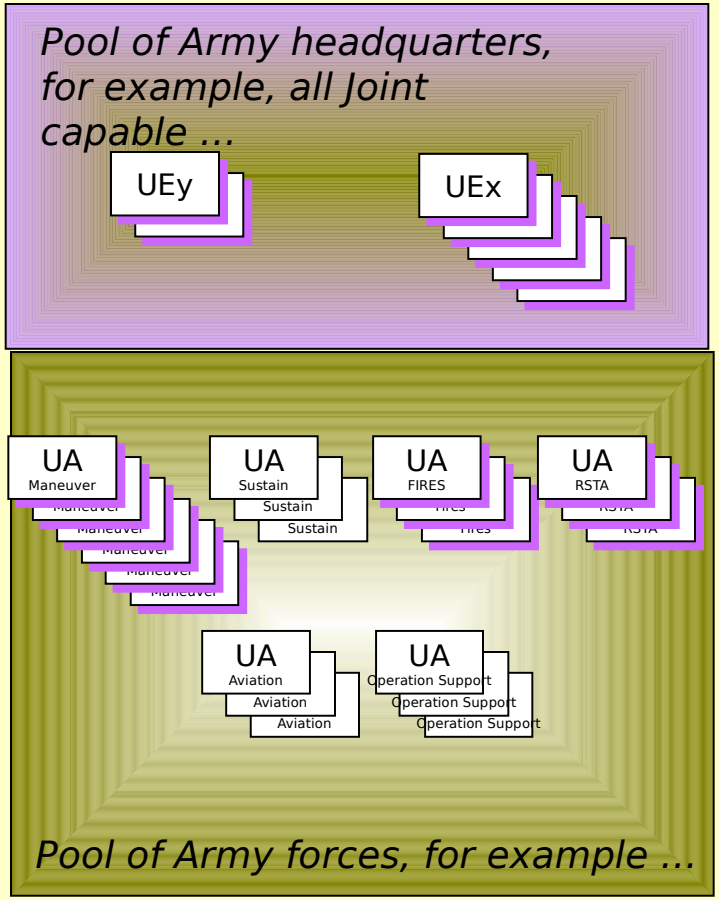
Supported by modular multi-functional UAs

- **Don't have to deploy a whole division to get certain capabilities**
- **Employ smaller, tailored forces instead of one or tw large units**
- **Smaller units simplify logistical challenges**
- **Creates a larger pool of units to rotate into operation**

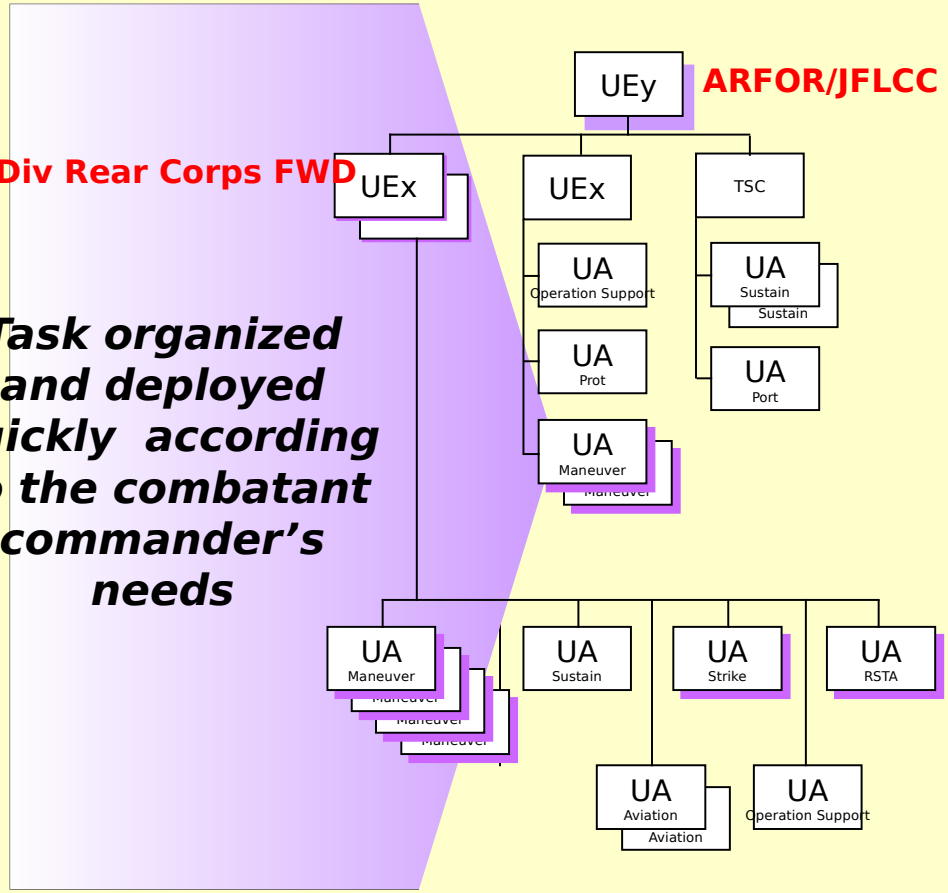
A more relevant and ready force

Active and Reserve Units with the Same Structure

Organization of a Modular Army

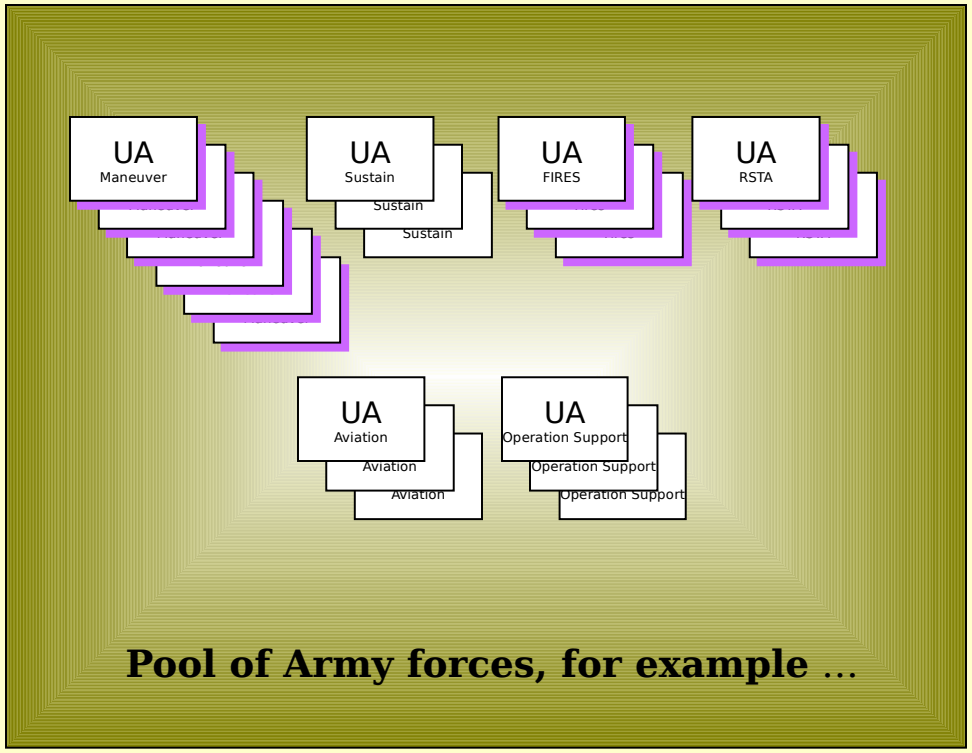


Task organized and deployed quickly according to the combatant commander's needs



Rule of Thumb 1 UEx can have up to a total of 10 BUA's (Maneuver UA / Support UA) under its span of control

Tactical Components of a Modular Army



Maneuver UA

- Armored x 32 (22 AC/ 10 ARNG)
- Infantry x 43 (21 AC/ 22 ARNG)
- Stryker x 6 (5 AC/ 1 ARNG)

Support UA

- Sustainment
- Fires
- Reconnaissance, Surveillance & Target Acquisition (RSTA)
- Aviation
- Operational Support

Building blocks of the warfighting force

Modularity: Building Capability Over Time

	FY04	FY05	FY06	FY07	FY08	FY09
Current Division						
Brigade Combat Team Build Units Of Action*				ABN AK *Decision to implement resourcing of final 5 UAs subject to operational necessity and OSD approval*		
ARNG Modularity						

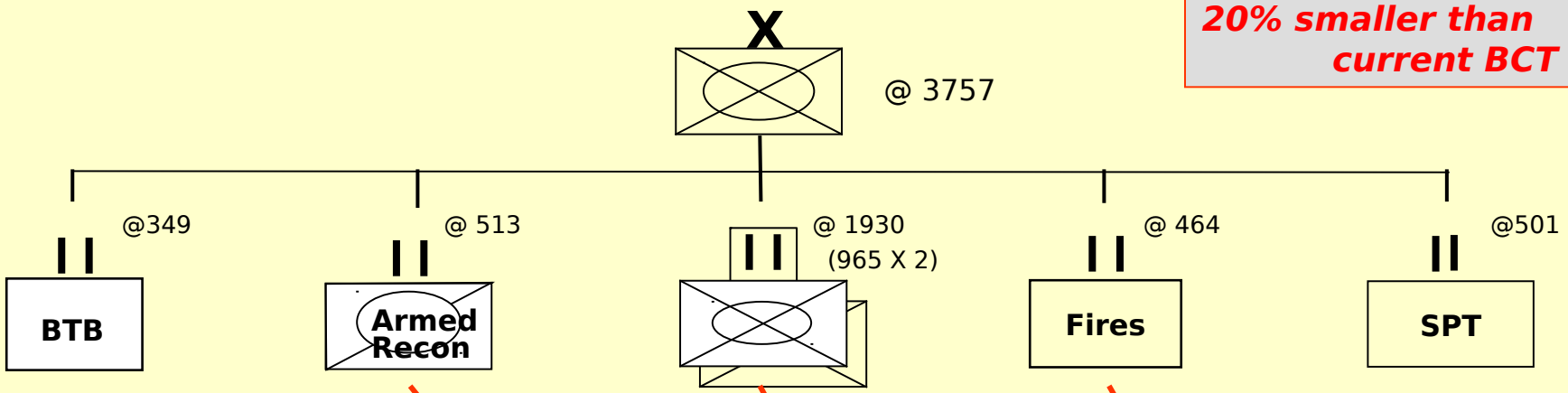
The Reserve Components are changing too. In the end, we'll have

82 Brigade Combat Teams in Our Army

- Creates a deeper rotating pool to sustain the War and meet our worldwide commitments
- Restructures the AC/RC Combat Service Support to support modular Brigade Combat Teams

Tactical Components of Modular Army
Armored (Heavy) Unit of Action

20% smaller than current BCT



Bde Troops Bn

HHC *w/*
- *CDR & DCO*
- *Joint Fires, ADA & Avn Staff*
- *SOF LNO and CA Det*
- *2 x Mobile Command Grips*
- *MP Plt*
- *Security Plt*
- *Public Affairs Tm*

SIG Co: *TACSAT, NETOPS*

MI Co: *ISR, HUMINT, CGS*

Armed Reconnaissance
- *3 Recce, 1 Surveillance Trp*
- *CBRN Recon platoon*
- *M3 and HMMWV-LRAS3 teams*
- *Joint TACP*
- *TUAV in Surveillance Trp, SUAV in Recce Trp*
- ***Forward Support Co***

Combined Arms Battalions
- *Standard, modular, armored maneuver battalion*
- *2 Mech Co, 2 Armor Co*
- *Bn Recon - M2 (3) and HMMWV-LRAS3 (3)*
- *SUAV to Company level*
- *Joint TACP*
- *Engineer Co*
- ***Forward Support Co***

Fires Battalion
- *2 x 8 Paladin Battery*
- *Q-36, Q-37 and Lt Wt Counter Mortar radars*
- *TUAV and SUAV*
- ***Forward Support Co***

Support Battalion
- *Enhanced Staff*
- *SUAV for security*
- *Additional drivers*
- *1 Additional Combat Load*
- *Distribution Management focus*
- ***Field Feeding for BSB, BTB and HQ***

- **Evolved from 3 models**
- **Analyzed in wargames and simulations**
- **As lethal as current BCT**
- **More survivable, versatile, and flexible**
- **More deployable**

Personnel Strength not Final

DA Handbook Quality of Life Standards for CONOPS

Feeding Plan Timeline (Condition Based)

Standard	Expeditionary < 6 Months					Temporary < 24 Months Military	Temporary < 24 Months LOGCAP
Ration Cycle	M-M-M	U-M-M	U-M-U w/one UGR (A) meal every third day	U-M-U	U-M-U	U-M-U	21 Day CONOPS Menu
Theater Ration Mix	MRE 100 %	UGR (H&S) 34%	UGR (H&S) 56%	UGR (H&S) 34%	UGR (H&S) 20%	UGR (H&S) 10%	Force Provider, LOGCAP or Direct Contract 90 % Supported by SPV Platform
		MRE 66%	MRE 33%	MRE 33%	MRE 20%	MRE 30%	
			UGR (A) 11%	UGR (A) 33%	UGR (A)+ 60%	UGR (A)+ 60%	
Facilities		MKT, KCLFF, CK, Tents, Refers			MKT, CK, Unit Tents, Force Provider, Refers		Force Provider LOGCAP & SPV
Deployment Days D+	1-20 days	21-30	31-60	61-90	91-180	181 Days to 24 Months	

Notes:

1. Ration Legend: MRE-M, UGR (H&S) or UGR (A) – U, UGR (A) with Short Order Supplemental Menus – UGR
2. Units deploying into developed areas may move directly into the temporary standard depending upon th mission and the theater logistical capabilities at that location.

Modularity
Field FS

- Mobile Kitchen Trailer (MKT)
- **Containerized Kitchen** (CK) Pure fleet for those > 301
- **Food Sanitation Center** (FSC)
- Kitchen Company Level Field Feeding (KCLFF)
  - HMMWV
  - HMT
- **Assault Kitchen** (AK) w HMMWV and HMT LIN Z00375
- 400 Gallon Water Trailer (Water Buffalo) 1/MKT 2 / CK
- **900 Gallon Water Trailer (Camel) 1:1 for Water Buffalo**
- **Multi-Temperature Refrigerated Container** System LIN Z00206
  - HEMTT-LHS
  - PLS Trailer

Containerized Kitchen (CK)

Capability: A large, mobile field feeding platform for Battalion sized units and higher capable of preparing UGR-A and UGR H&S in a modern food preparation environment.

Description: 8x8x20 ISO Container with six MBU's, two commercial refrigerators, environmental control unit, and on-board 10KW generator.

BOI: One issued per two MKT's in units that centrally prepare meals.

Warfighter Criticality/Value:

Reduced Logprint

→ Replaces 2 aging MKT's one FSC, one vehicle, and one Cook (92G) and a total of 9 MBU's.

→ PLS and LHS compatibility maximizes agility and flexibility within the operational environment.

Operational Responsiveness:

→ Capable of preparing more than 800 meals three times per day with one less 92G.

→ Controlled cooking environment provides for safer food preparation environment.

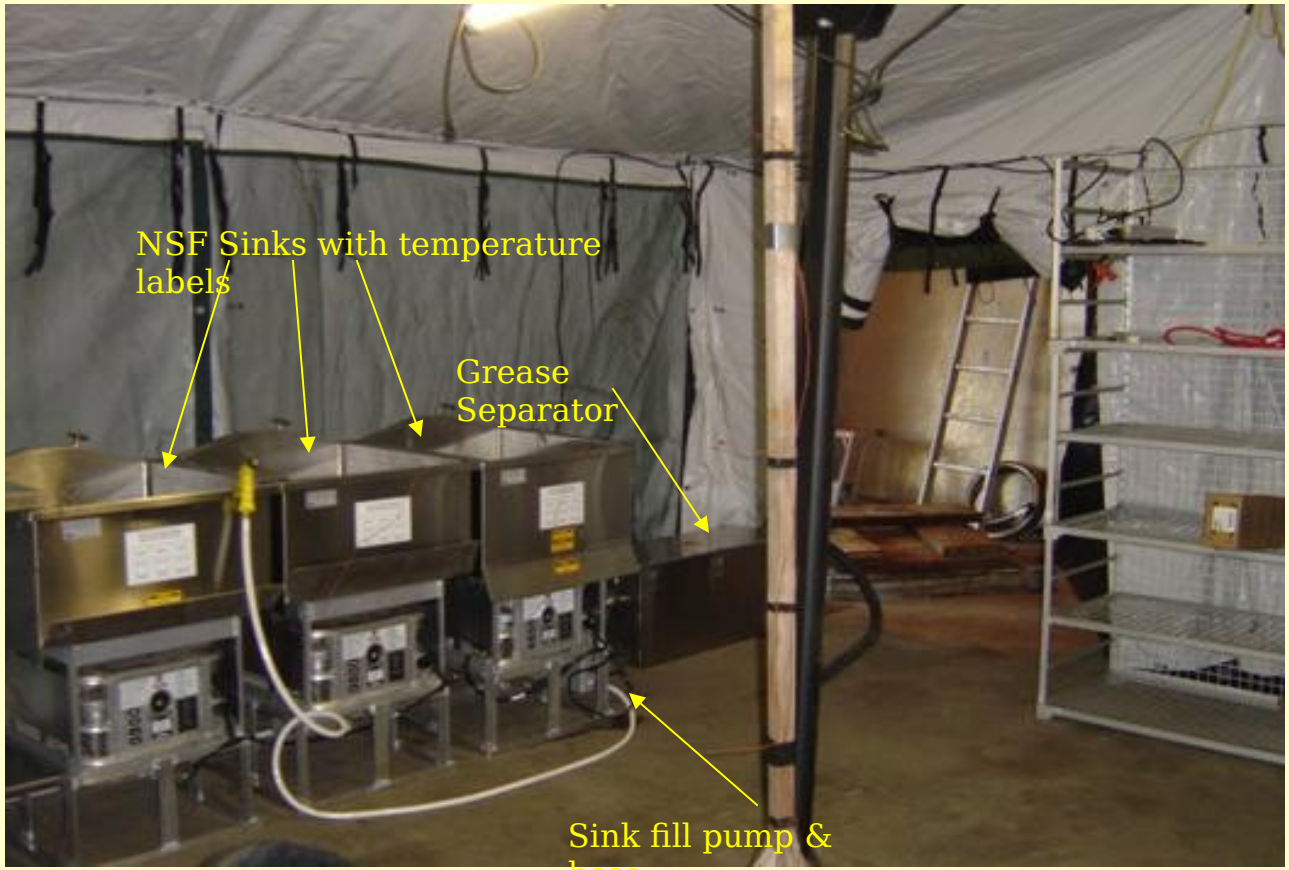
→ On-board refrigeration allows for perishable supplemental items (milk, FF&V) to be added to

Status: Fielded 280 platforms as of Apr 05 (includes 3 for OEF and 15 for OIF)

Current: New 5 year production contract awarded

Future: Requirements increased to 804 due to modularity

Food Sanitation Center



Multi-Temp Refrigerated Container System (MTRCS)

Capability: A LHS capable, Multi-Temperature, Refrigerated Container System (MTRCS) to distribute & store mixed rations: fresh, chilled, frozen (perishable/semi-perishable).

Description: 8 X8X20 Refrigerated container with dual evaporators and a movable partition, which allows compartment volume to be adjusted according to type subsistence.

BOI: Minimum of 24 (48) per subsistence platoon and 1 per CK/MKT in SBCT & Future Force.

Warfighter Criticality/Value:

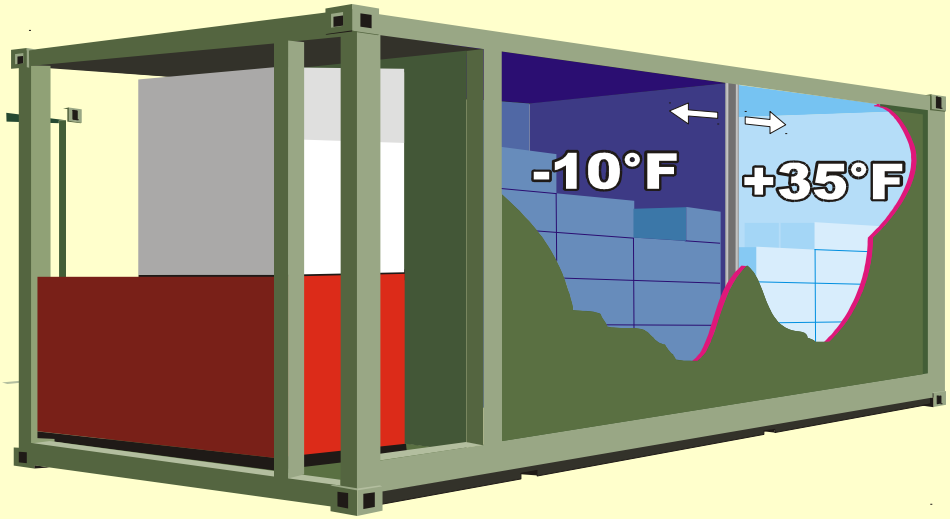
Enhanced Deployability

→ Configured Load Distribution Enabler.

→ Reduced logistics footprint, performs mission that typically required portions of 2 refrigerated containers and a semi-trailer.

Operational Responsiveness

→ Movable partition within temperature



Status: ORD approved APR 2002
Current: Solicitation APR 03, Award Feb 04 to Keco Industries. Prototype being built followed by series of tests to include user demo at Ft. Lee (Log Warrior Nov 05)
BOIP: in staffing
Future: Being worked

Assault Kitchen (AK)

Capability: Provides heating and serving of the UGR-H&S to company sized elements at an objective force sustainment replenishment site (SRS) or in support of current force remote site feeding. Prepares food for 250 in 90 minutes.

Description: The AK will be equipped with a Multi-Ration Heater (USAF) or Tray Ration Heater System (USMC). Includes insulated food and beverage containers, work tables. Transported on HMMWV and HMT or future replacement.

BOI: One for one replacement of the KCLFF.

Warfighter Criticality/Value:
Operational Responsiveness

→ Heat-on-the-Move technology allowing for near immediate serving of meals upon arrival.

→ Capable of supporting more than one Sustainment Replenishment Site (SRS) per day and augmentation of feeding capability at Mission Staging Site (MSS).

Status: TRADOC Validated June 03; 3ID user demo NTC 27Mar – 9 April 04 successful;
Current: Approved ORD – 29 Mar 04
Future: Attempting to Fund in 06 -11 POM; Funding line being established – joint limited procurement with USMC. SBCT will be first to

92G AUTHORIZATIONS

RANK	FY04	FY05	FY06	FY07
SGM (22)	27	27	26	12
MSG	269	214	173	180
SFC	858	868	880	892
SSG	1,305	1,303	1,312	1,270
SGT	1,672	1,708	1,729	1,762
SPC	3,231	3,256	3,245	3,272
PVT	2,029	2,314	2,271	2,626
TOTAL	9,391	9,690	9,636	10,014

NOTE: Air Force Services MOS total aprox 3,300

WO Authorizations

- 1 per MUA (Brigade Food Technician)
- 1 per SUA (Brigade Food Technician)
- 1 per UEx HQ (Equal to Div Food Advisor)
- UEy not yet determined as still working UEx unit details.

A quote from The Army Food Advisor

**We've all come to realize and experience that we're an ever cl
Army and an Army at war. Contractors on the battlefield (LOG
become part of our culture and the "Modular Army" and "Uni
are the way ahead. I'm often asked what the future holds for t
service career field and offer the following response: "The fut
career field rests with each and everyone of us. As long as we
our mission to the best of our ability and show our worth as fo
professionals, we'll continue to serve and be a vital element o
Quartermaster Corps and our Army."**

CW5 Peter Motrynczuk
The Army Food Advisor

QUESTIONS OR COMMENTS...?